

Decoding 16 Probes

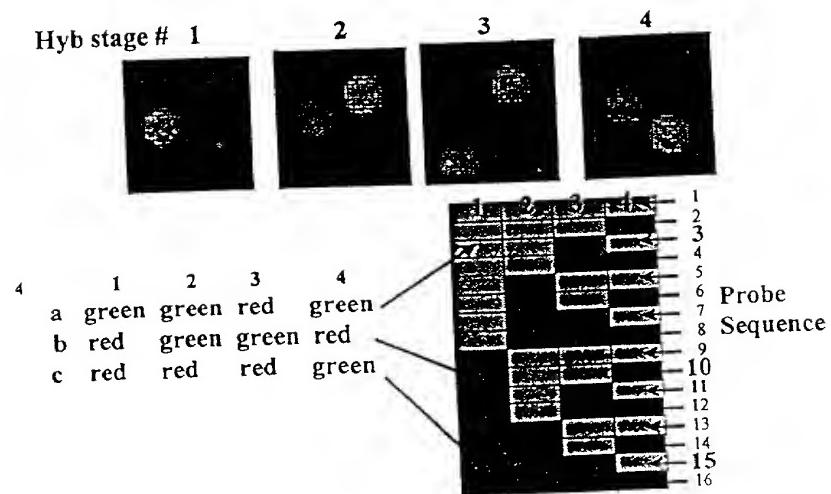


Figure 1

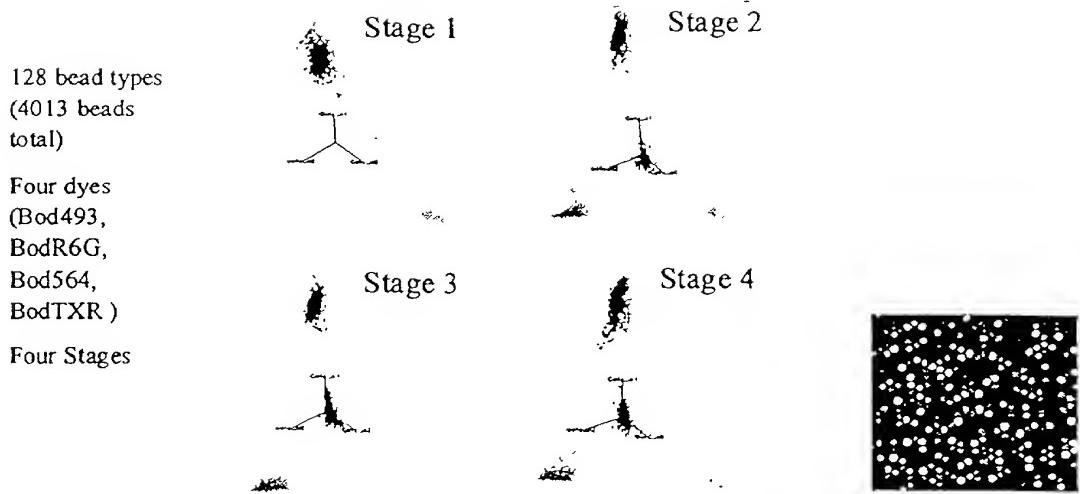


Figure 2

GreyScale Decoding

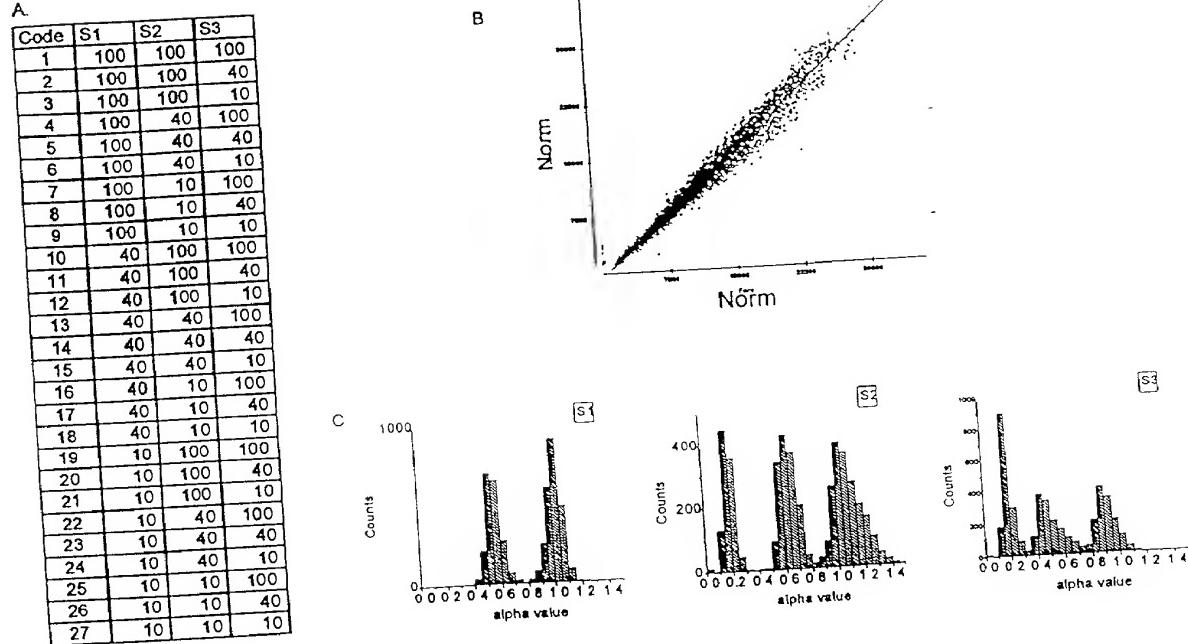


Figure 3

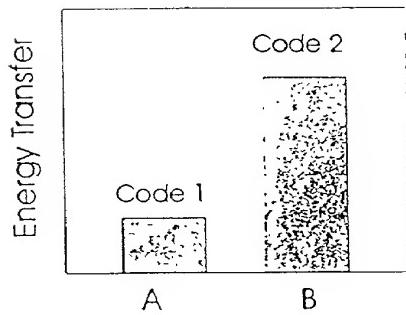
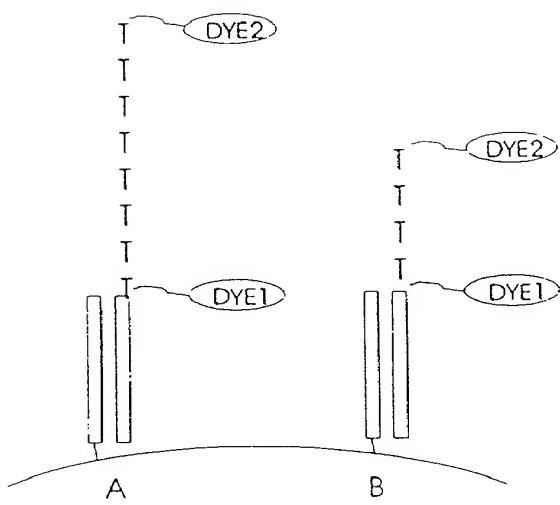


Figure 4

Energy Transfer Series: Normalized to 1000 at 530nm LS50B Solution Screen

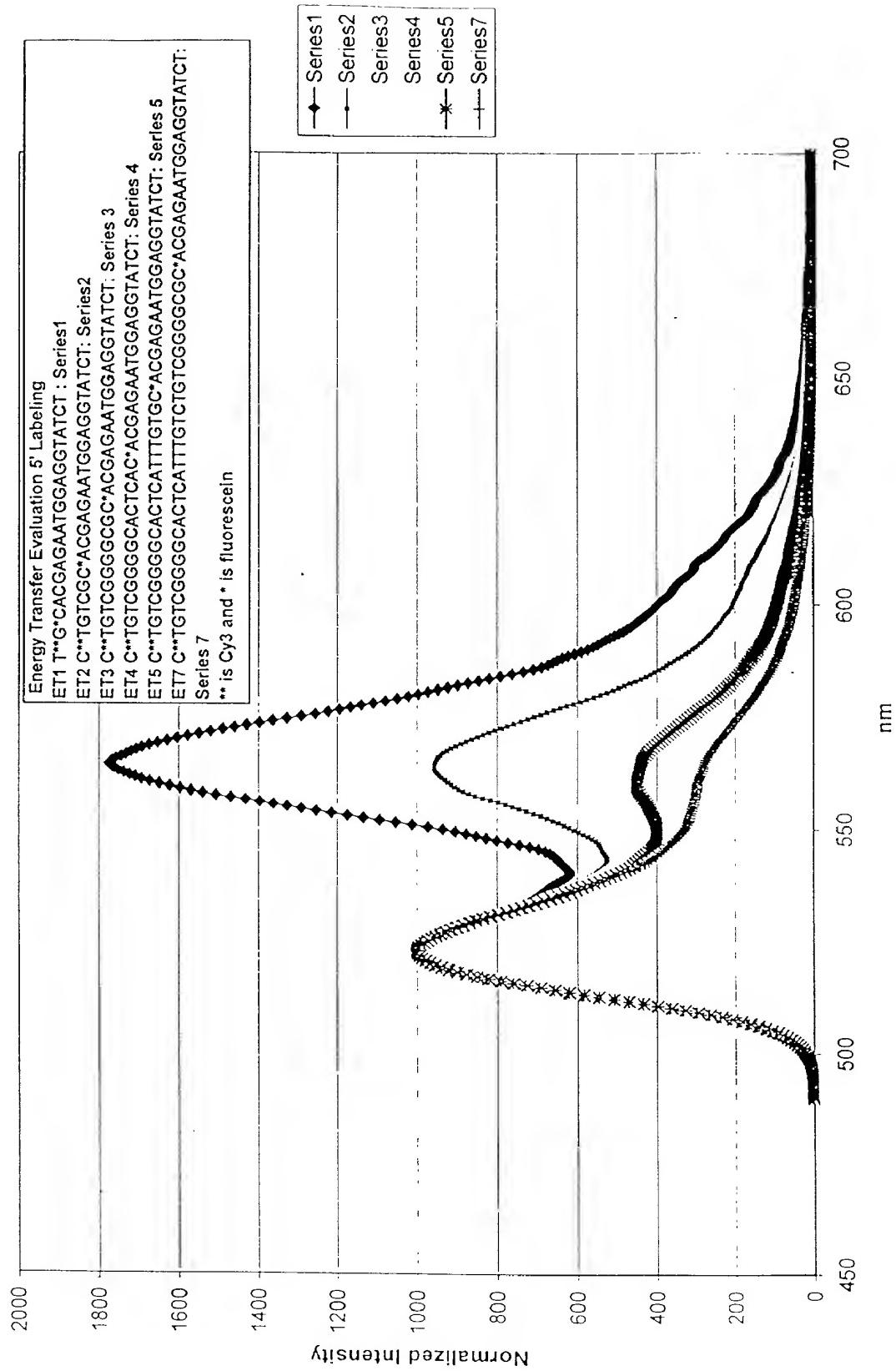


Figure 5

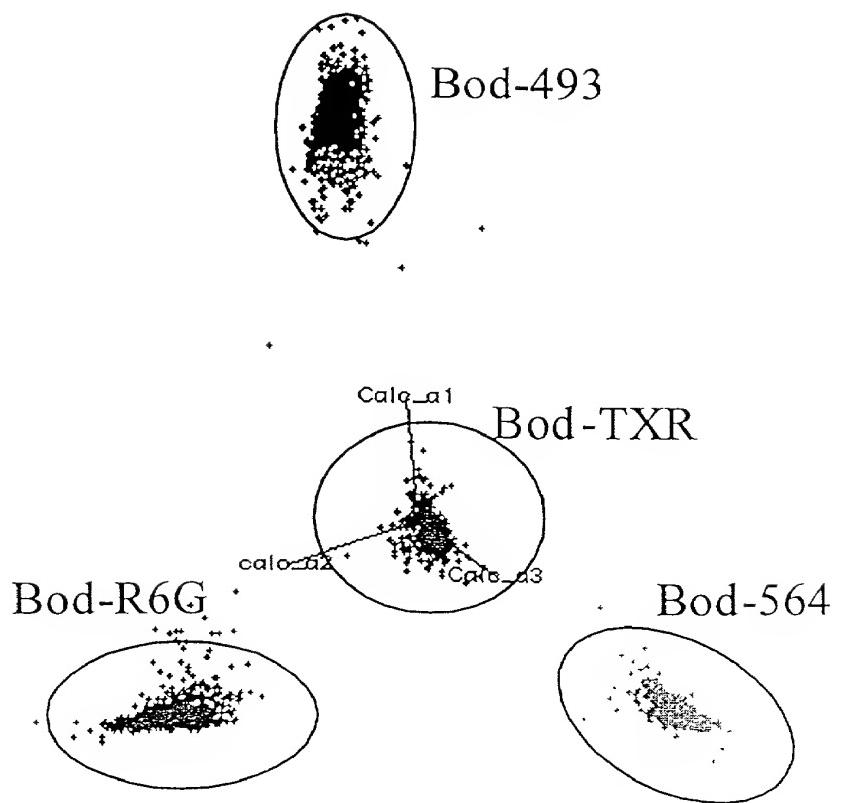


Figure 6

Figure 7

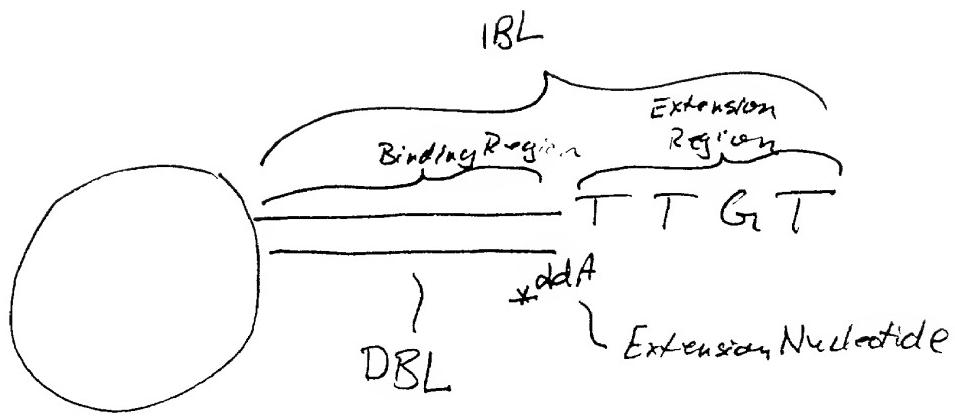
one-gauge decoding
example

1 "color" decoding					Code	Parity
Bead	stage 1	stage 2	stage 3	stage 4		
					1111	
					1110	odd
					1101	odd
					1100	
					1011	odd
					1010	
					1001	
					1000	odd
					0111	odd
					0110	
					0101	
					0100	odd
					0011	
					0010	odd
					0001	odd
					0000	

1001 digit sum = 2, even parity



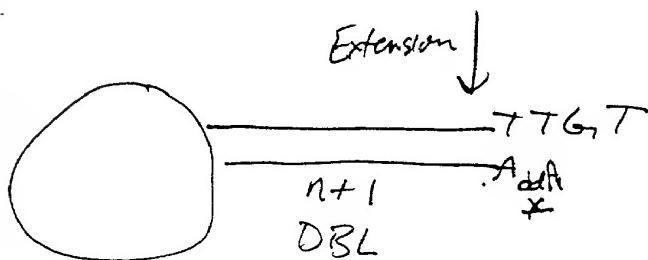
1011 digit sum = 3, odd parity



Denature

\downarrow

IBL ddA



Denature

\downarrow

DBL ddA

Extension

\downarrow

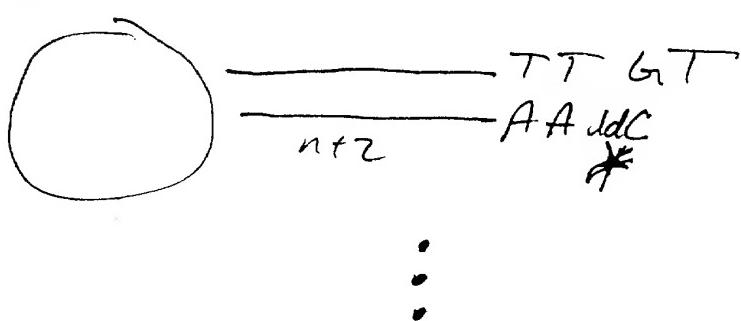


Fig. 8

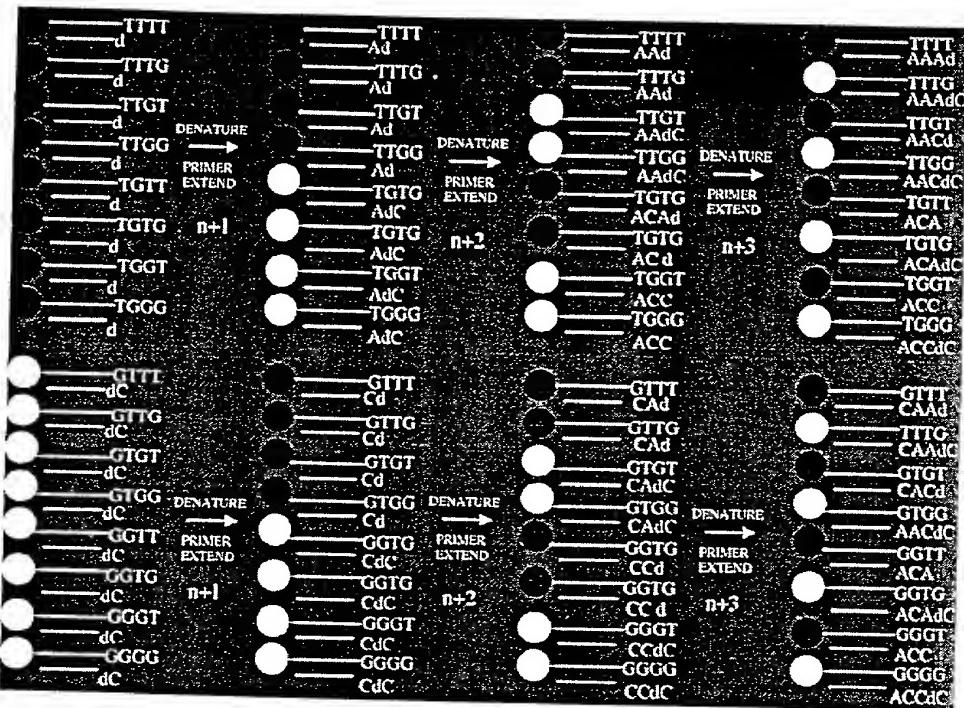


Figure 9

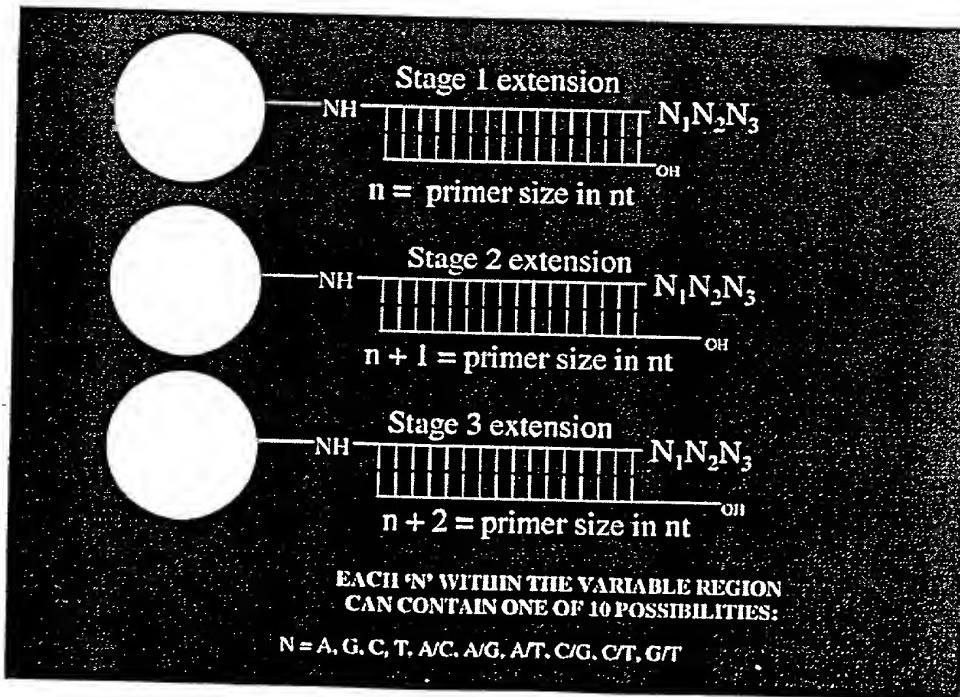


Figure 10

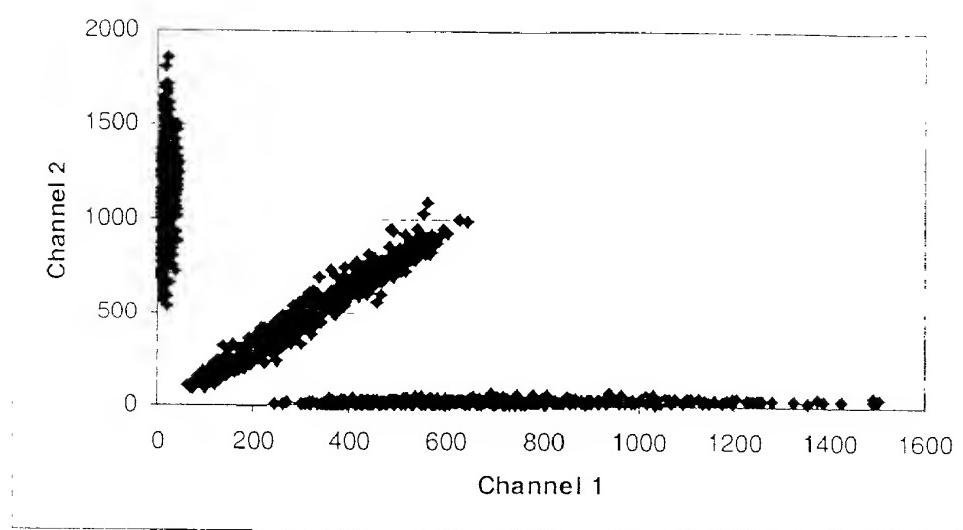


Figure 11